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We also appreciate the help of Oce North America for their assistance in scanning this document.

U.S.S. PALMER

MINESWEEPERS HIGH SPEED

BOOKLET OF GENERAL PLANS

E.O. 11652, Sec. 302 and 303 or (E)

OSD letter, May 3, 1972

By CA2 NARS Date 4/20/77

~~RESTRICTED~~

SERIAL NO DMS-5

NO. DMS-5 ACCOUNTABLE

EZ

NUMBER AND ORDER OF PLANS.	
1	GENERAL INFORMATION AND DATA
2	OUTBOARD PROFILE
3	INBOARD PROFILE
4	BRIDGE DECK
5	MAIN DECK
6	PLATFORM DECK
7	HOLD

CORRECTED TO SUIT SHIP		
PLACE	DATE	CONSTRUCTION OFFICER
RETRACED NAVY YARD, NORFOLK	OCT. 24 1941	<i>W. H. H. H.</i>
NORFOLK NAVY YARD	12/5/42	<i>A. B. Bushey Jr</i>
NORFOLK NAVY YARD.	2-27-43	<i>A. B. Bushey Jr</i>

BU. SHIPS HULL NO. 91013

NORFOLK NAVY YARD

DELINEATOR *R. F. Hoover*

NAVAL ARCHITECT.

PRIN. NAVAL ARCHITECT *W. H. H. H.*

W. H. H. H.

Asst. DESIGN SUPT.

DATE *10-24-44*

[illegible]

COMPLEMENT

1 COMMANDING OFFICER
9 WARDROOM OFFICERS
11 CHIEF PETTY OFFICERS

PETTY OFFICERS } 123
CREW }
TOTAL ON BOARD 144

LIST OF BOATS

1-26' MOTOR GIG BOAT	NO OF MEN
1-26' MOTOR WHALE BOAT	" " "
1-10' PUNT	" " "

HEIGHTS ABOVE DESIGNERS W.L.

D.W.L IS 9'-1 1/4" ABOVE MOLDED BASE LINE AND 9'-1 3/4" ABOVE BOTTOM OF KEEL	
MASTS - TO TOP OF FOREMAST.	TO BOTTOM OF MAIN TRUCK LIGHT 35'-10 1/2"
SIGNAL YARD, FOREMAST	88'-3"
SEARCHLIGHT PLATFORM FORD.	29'-3"
" " AFT.	23'-8"
BRIDGE ON FR. 48 AT SIDE	29'-3" AT CENTER LINE
TOP OF GALLEY DECK HOUSE AT FR. 76	29'-8 1/4"
TOP OF MAIN DK. PLAYING AT STERN	20'-8"
TOP OF MAIN DK. PLAYING AT STERN	8'-3 3/4"
TOP OF AFTER DK. HOUSE AT FR. 150	16'-8"
SMOKE STACKS	

" " SEARCHLIGHT AT FR. 49"

" - SEARCHLIGHT AT FR. 153 -

C.G. OF D.W.L. PLANE AFT. OF FR. 88 (WHICH IS 12" FORD M.P.
C.B. AFT OF FR. 88
TRANSVERSE METACENTRE ABOVE C.G. (FROM COND III INC EXPER PALMER)
LONGITUDINAL " " " " " " " " " "

COEFFICIENT OF FINENESS	BLOCK	.469
"	"	"
"	MED. SECTION	.748
"	D.W.L.	.686
"	CYLINDRICAL	.627

RUDDER AXIS FOR'D. OF STA. 40	6'-4 1/2"
NO. OF FRAMES. SPACING 21"	177

NO. OF W.T. COMPTS	45
SHAFT STRUTS FOR'D. OF A.P.	21-1"

SHAFTS INCLINE DOWN AND AFT P & S. 3° 33'-14"
SHAFTS DIVERGE FROM E P & S. 2° 42'-33"

CL OF SHAFT FROM CL OF SHIP AT FR. 99	2'-7"
" " " " " " " " 138	5'-11"

"	"	"	ABOVE MOLDED BASE AT FR. 99	10'-4 1/4"
"	"	"	" " " " " " 138	6'-2"

PROPELLERS	3 BLADED	DIA.	9'-5"
"	RITCH		9'-11"

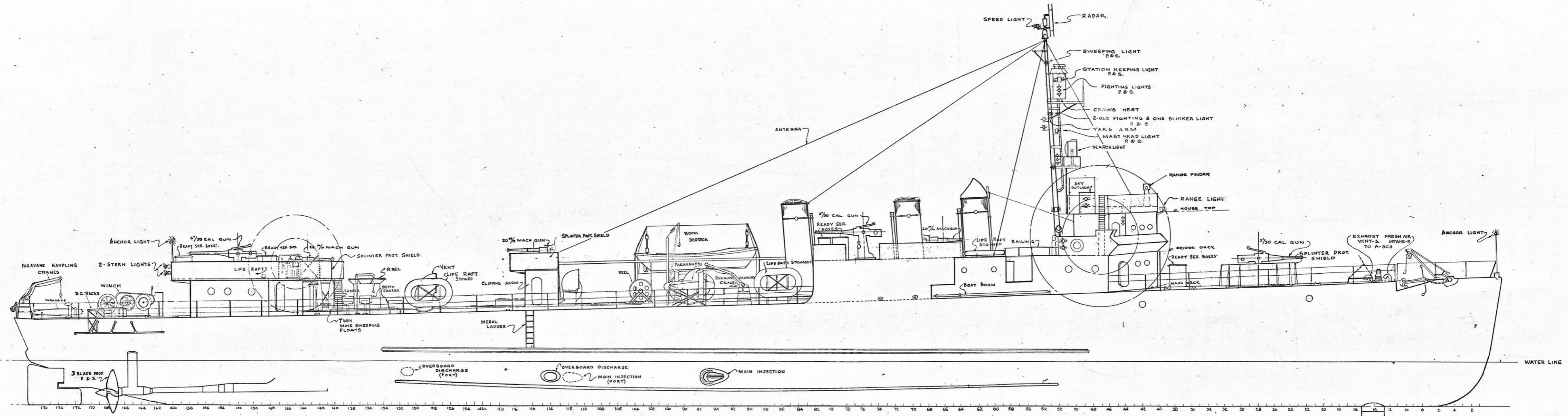
"	EXPANDED AREA IN SQ. FT.	44.9
"	PROJECTED	37.8

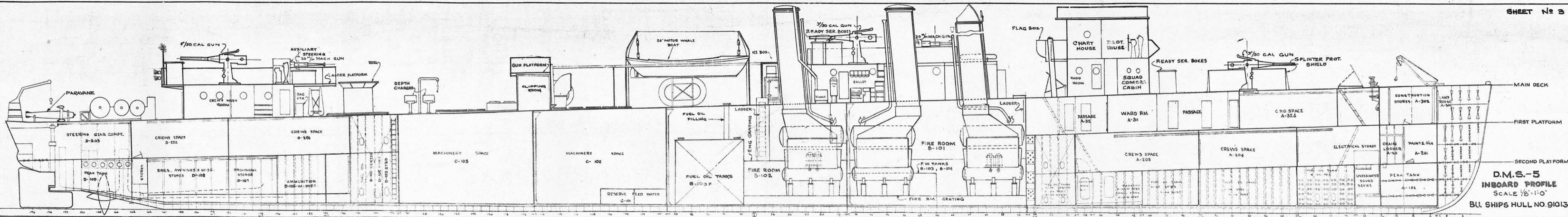
" £ FORD OF A.P. 17-0"

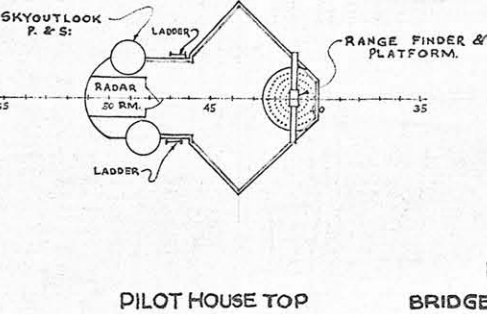
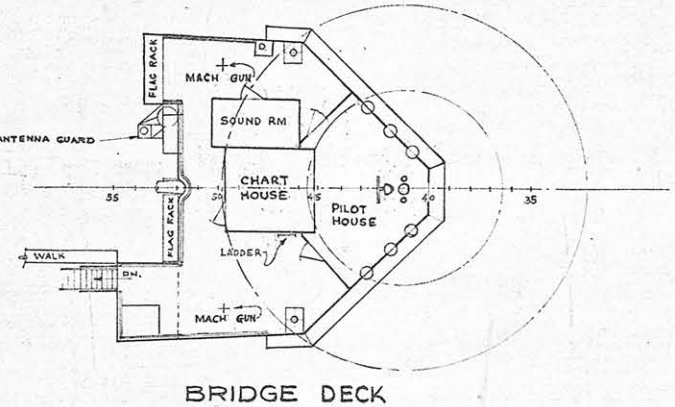
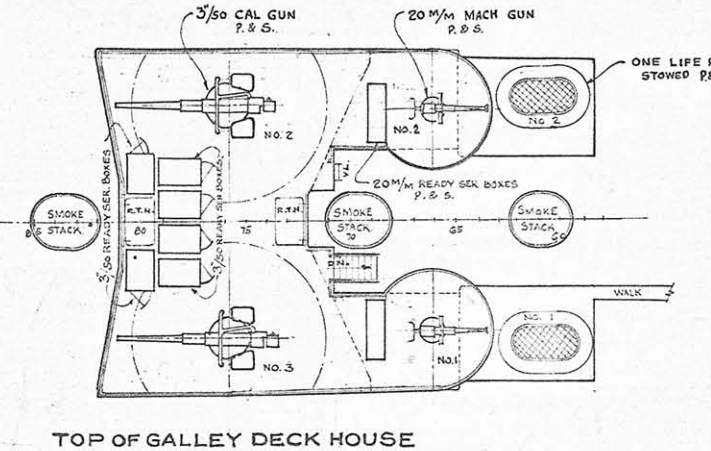
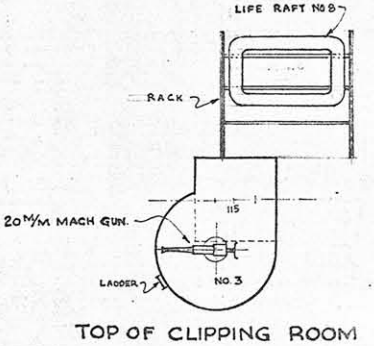
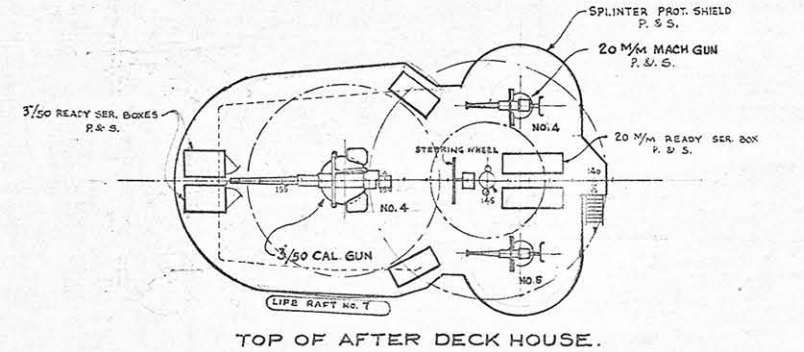
U.S.S. MINESWEEPERS HIGHSPEED

GENERAL INFORMATION.

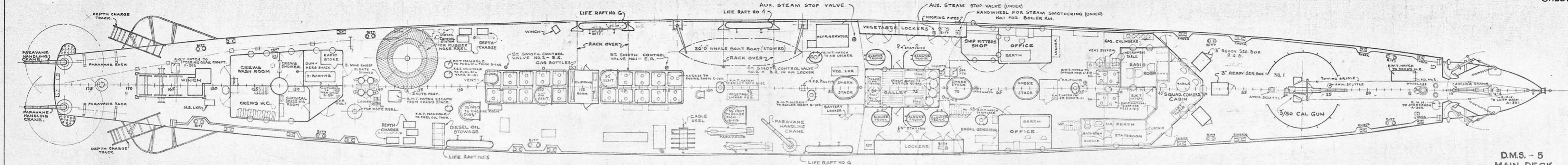
LENGTH BETWEEN PERPENDICULARS (FR.& STA 40)	310'-11 1/2"
PROJECTION FORWARD OF F.P.	3'-0"
PROJECTION AFT OF STA. 40	1'-4 1/2"
LENGTH OVER ALL	314'-4 1/2"
LENGTH ON D.W.L.	310'-11 1/2"
LENGTH OF STRAIGHT KEEL (FR. 7 TO FR. 160	268'-0"
BREADTH. MOLDED. EXTREME	30'-11 1/2"
BREADTH. EXTREME OVER GUARDS	31'-8 1/4"
BREADTH. MOLDED. AT TRIAL W.L.	30'-8 1/4"
RATIO. LENGTH TO BEAM	10'-08"
DRAFT. DESIGNERS W.L. TO BOTTOM OF KEEL	9'-1 3/4"
DISPLACEMENT TO DESIGNERS W.L. IN TONS	1185
(ESTIMATED 273.2 T. FUEL OIL AND 25.52T RESERVE FEED WATER)	
DEPTH M'L.D. MAIN DECK AT SIDE FR. 88 (1'-0" FORD. OF M.P.	20'-8 1/8"
DISPLACEMENT TONS PER INCH AT 9'-1 3/4" DRAFT.	15.20
AREA. MIDSHIP SECTION TO D.W.L. 9'-1 3/4" IN SQ. FT.	212
AREA. D.W.L. PLAN	6510
AREA WETTED SURFACE TO 9'-1 3/4" W.L.	10370
BREADTH AT D.W.L. (MOLDED & 1 1/2" THICKNESS OF PL)	30'-9"



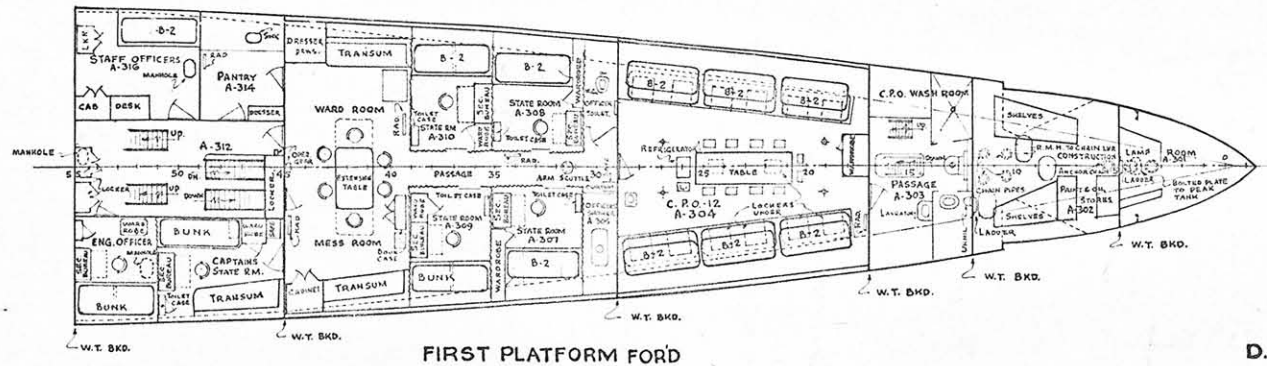
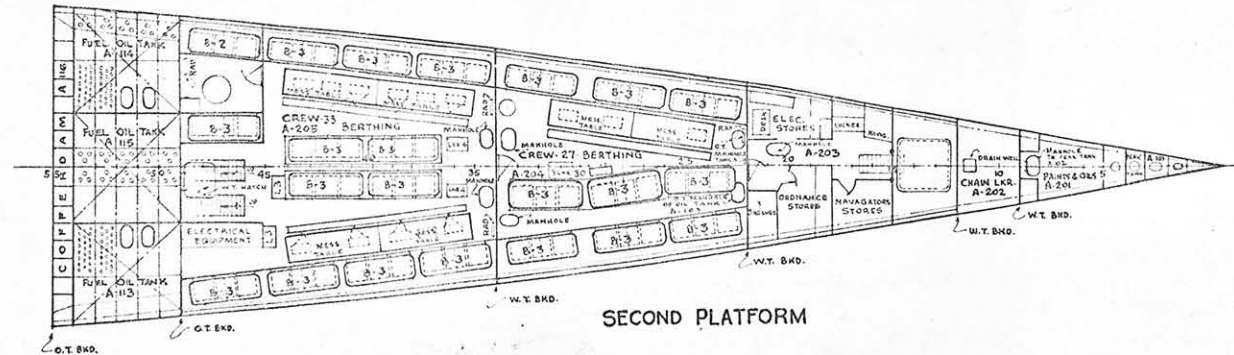
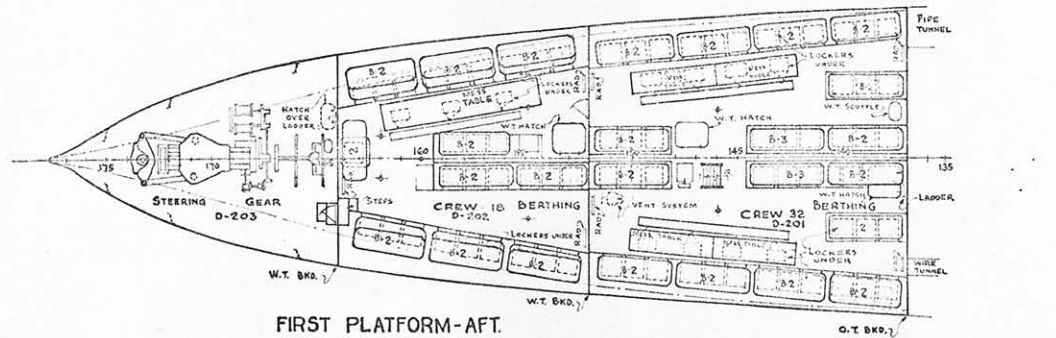




D.M.S- 5
 BRIDGE AND DECK HOUSE
 SCALE 1/8"=1'-0"
 BU. SHIPS-HULL NO. 91013



D.M.S. - 5
MAIN DECK
SCALE $\frac{1}{8}'' = 1'-0''$



D.M.S.-5
PLATFORMS
SCALE 1/8"=1'-0"

BU. SHIPS HULL No 91013

